

SPECTRUM IN ALASKA NATIVE LANGUAGES

Lesson Summary:

Native language may be used in the science classroom as it applies to observations and recording data. In this lesson, students learn Native language words for colors represented in the colors of the aurora spectrum and the sunlight spectrum. Please adapt this lesson to the local Native language if necessary.

Objectives:

The student will:

- identify the word for colors in the local Native language; and
- differentiate between the spectrums of the aurora and sunlight.

GLEs Addressed:

Science

[5-8] SA1.1 The student demonstrates an understanding of the processes of science by asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating.

[9] SD3.2 The student demonstrates an understanding of cycles influenced by energy from the sun and by Earth's position and motion in our solar system by explaining the phenomena of the aurora.

Search Terms:

- spectrum
- Alaska Native language
- colors
- vocabulary
- Gwich'in
- Denaakk'e
- St. Lawrence Island Yupik
- Yup'ik